## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
| FEE DETERMINATION         | ·/ MU    |        | 07-06-01 |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          |        |          |  |  |  |  |  |
| FORMALITY REVIEW          | VS       | 1020   | 14/04/07 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |        | 10/10/15 |  |  |  |  |  |

## INDEX OF CLAIMS

| 4 | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled |     | Appeal       |
| ÷ | Restricted                 |     | Objected     |
|   |                            |     |              |

| γ.<br>Χ.: | la .<br>Maria |                    | ,     |              | 1        |          | •        | •••      | •••••             |              | •••••    |          | ••••          |              |                 | .,,,,,        | cu           |                   |              |          | U        | •••••        | •••••              | •••••       | •••••          |           | •••••    | . Ot       | ijeci    | ea   |             | •  | ¢              |  |                    | . ,  |                   |          |
|-----------|---------------|--------------------|-------|--------------|----------|----------|----------|----------|-------------------|--------------|----------|----------|---------------|--------------|-----------------|---------------|--------------|-------------------|--------------|----------|----------|--------------|--------------------|-------------|----------------|-----------|----------|------------|----------|--|-------------|--|----------------|--|--------------------|--|-------------------|----------|
| Ť         | (*)           |                    | _     | :            | ,        |          | D=       |          |                   |              |          | _        |               |              | .i-a            |               | _            | _                 |              | Dat      |          |              | <del></del>        | <del></del> | $\neg$         | •         | _        | . 1        | <u> </u> | -  | _           |  | - ;            |  |                    | <u>.                                    </u> | ·,                | _        |
|           | Cla           |                    | 1     | -            |          |          | Dat      | ie .     |                   | r            |          | Н        |               | Cla          |                 | -1            |              |                   |              | Dat      | •        | _            |                    |             | _              |           | Cle      |            | _        |  | • •         |  | Dat            | <u>۰                                      </u> | <u>.</u>           |  | 7.                |          |
| 7         | Final         | Orfginal           | 1/2/4 | 8/14/63      |          |          |          |          |                   |              |          |          |               | Final        | Original        | 20/02/8       | 29/8/8       | 1                 |              |          |          |              |                    |             |                |           | Final    | Ortghnal   |          |  |             |  |                |  |                    |  |                   | ?        |
|           |               | Š                  |       |              | ,        |          |          |          |                   |              |          |          |               |              | 57<br>52        |               |              |                   |              |          |          |              |                    |             |                | ):<br> }; |          | 101        | 1        | ٦  |             |  |                |  | 7                  | $\dashv$                                     | ┪                 | ┪        |
|           |               | <u>ئ</u>           | =     |              | 1        |          |          |          |                   |              |          |          |               | L_           | 52              |               |              | •                 |              |          |          |              |                    |             | ij             |           |          | 102        | $\Box$   | <i>,</i> •                                     |             |  | 1              |  |                    | $\neg$                                       | 7                 | ╗        |
| C'        | $g^2$         | **                 | ¢"    |              | ;        |          |          |          |                   | -2           |          |          |               | L            | 53              | - 1           |              |                   |              |          |          |              | $\Lambda^{\prime}$ |             | 4              | f         |          | 183        | ij       | $\cdot$  | 40          |  | 1              | Ž.   | $\overline{\cdot}$ | $\neg$                                       | 7                 | 1        |
|           |               | ٠\$.               | . 4   | ٠,           |          |          |          | Ш        |                   |              | Ш        |          |               | <u> </u>     | 54              |               |              |                   | _            | _        |          | _            | ij.                | <u></u>     | 3              |           |          | 104        | $\Box$   |  |             | <u>·</u>                                     | $\cdot$        | -5   | $\Box$             | ı  | 끄                 | I        |
| 4         | Ľ,            | 8                  |       |              |          | _        | Ĺ        | Н        |                   |              |          |          | :             | L            | 5\$             |               | Ŀ            | ·                 |              | _        | _        | _            |                    |             | -:-            |           | ä        | 105        | 4        | _  |             |  | *              |  | $\Box$             |  | 3                 |          |
|           | . "           | 3                  | 3.50  |              |          |          |          | Н        |                   |              | H        | -        |               | $\vdash$     | 56              | H             |              | _                 |              | _        |          | _            | •                  |             |                | ψη.       | 100      | 108        | _        |  | _           |  |                | _  | _                  | لمنا   | ┙                 | 4        |
|           |               | 112,               | 1     |              | f        | -        | <u> </u> | Н        |                   | -            | -        | -        |               | $\vdash$     | 5               | Щ             | -            |                   |              | -        | $\dashv$ | -            | 3                  | 1           | 3              |           | 72       | 107<br>103 | -1       | 4  | 4.          |  | $\ddot{\cdot}$ | 4  | 4                  |  | إذ                | _        |
|           |               |                    | f .   |              |          |          | -        | Н        |                   | $\vdash$     | Н        | $\dashv$ | 1.            | H            | <del>13 8</del> | -             | _            |                   |              | $\dashv$ |          | -            |                    | 44          | ί.             | }         | 3 7      | 109        | -        |  |             |  | £1.            | -  |                    | }  | 4                 | -        |
|           |               | *                  | ***   |              | -        | -        | -        | Н        |                   | -            | H        |          |               | -            | 6               | Н             | ₹, •         | Н                 |              |          | -        | -            | •                  | 200         | 1.             | 50        | 7        | 110        | -        |  | ξ.<br>γ     |  | ÷              |  |                    |  | ÷                 | -1       |
|           |               | Ť                  | 3     | 703 J        |          |          |          |          |                   | -            | Н        |          |               |              | <b>ब</b>        | -             | :            |                   |              |          | -        | -            | -                  |             | 4              | 1         | ş.       | 111        | -        | 1  | É           |  |                |  |                    | ┪  | -                 | -        |
|           | 0.1           | 12                 |       | 33           | 100      | ıri,:    | ş,,      |          | 5                 |              | 3        |          |               |              | 62              | ,             | 77.          | 10                |              | 3.       | र        | 5            | ,,                 | 7           | ÿ"             | } ::      | ,,       | 112        | 1        | d  | 1           |  |                |  | 7.                 | 7  | -                 | - 13     |
| •         |               | 10                 |       |              | ŗ.       | 33       |          | -        |                   |              |          | -        | 3             | ř.           | 63              |               | 7            | 1.                | v.           |          |          | -            | 4, 1               | 1           | <del>;</del> ; | 1         | 15       | 113        | 7        | ζ  |             | 3 .  | ٦              | i  | žŽ.                | ++1  | 7                 | ~        |
| ď         |               | 67                 |       |              |          |          |          | 7        | 7                 | 4            |          | ,        | 10 ±<br>3 ±±1 | 1,           | 6               | ŠŽ.           | 1            | 1                 | 5            | 1.       |          | 4.           | 2.33               | 13          | 12.            |           | 85       | 114        | *        |  |             | 1.   | <b>1</b> .4    |  | Š                  |  | <i>-</i>          | Ť        |
| ٠ [       |               | 18                 | }     | <b>)</b>     | ξ.,      |          | 1        |          | $\mathcal{L}_{i}$ | 16.5°        |          |          | 1             | ٢            | 65              |               | 1            | $t_{j}$ .         |              |          | 1        |              | ŧ.,                |             | 16             | (3)       | 1.       | 115        | 3. °     |  | 40          |  | ١,             |  | 317                | T)   | IÌ                |          |
|           | ٠,            | 38                 | · a   |              | ¥.,      |          | 3        | -        |                   | 12.          | ,        |          |               |              | 63              | 4             |              | $\mathcal{Z}_{r}$ |              | ů:       | *        | **/          | Ş.,                |             | *              | Ç.        | 1,5      | 116        | 2        |  | 4           | $T_{\hat{G}}^{*}$                            | r.             |  | ٢.,                |  | I                 | $\Box$   |
|           |               | 7                  | (F)   |              | 1        | 4        | 2.3      | , r      | 2                 |              |          |          | ,             |              | (B)             | Z             | $\mathbf{J}$ | ;                 |              |          |          | 3.1          |                    | { :         | 714            | 1         | 1.       | 117        |          | 31   | ,<br>,      | 10   |                |  |                    |  |                   | :        |
| 4         |               | 3                  | ,     | - 20         | 1        |          | (        |          | -                 | 100          |          | 3        | }             |              | 68              | 1:            | Ğ.           | 10                |              | نتن      | 1        | :            | 3                  |             | 3774           | 1         | 1        | 118        | š        | 7/   | L           | 7.7  | 1.0            | لــــ  |                    |  |                   | J        |
| ļ         | -             |                    | 1     |              | ф.;      | 1        | 1        | 5        |                   |              |          |          | A             |              | 69              | Ц             | Щ.           | ***               | 7            | ١.       |          | 1            | 3.1                | 1           |                |           | È        | 118        | 1,       |  | <u> </u>    | <u>.                                    </u> | N.             |  |                    | ٠.   |                   | _        |
| ı         | لث            | 20                 | 63    | ķ.,          | Ş.)      | 7 i \$   | 3.5      | 2.5      | Sep. 1            | 11.5         | 3.5      |          | 3             | 300          | 70              | 1             | Ц            |                   | 1            |          | 7        | · ·          |                    | 7,2         | 3.0            |           |          | 120        | 1        |  |             |  | 3.5            |  | ۷                  |  | Ž.                | $\Box$   |
| 1         |               |                    | 4     |              |          |          | 7.0      |          | L                 | 7-           |          | ·        | 100           |              | 71              | Ц             | Ц            | ٠.                |              | ţċ       | ,        |              | <u> </u>           | 7.7         |                | 3.        | 17       | 121        | _        | ١Ÿ   |             | ţ  |                |  | 6                  | $\Sigma$                                     |                   | _        |
| 1         |               | 22                 |       | 2.0          | -        |          | 2        |          | Ŀ                 |              | Ĺ        | ۶. ۰     |               | 5.5          | 72              | Ц             | Ц            | 20                |              | ¥3-      | 12.      | -            | <i>‡</i> ··        | 1           |                |           | 1        | 122        | -1       |  |             |  | <i></i>        | <u> </u>                                       | H                  | إننا   |                   |          |
|           | .,.           | 2 3                |       | ¥, c)        |          | 1 **     | 24       |          | -                 |              | L        | . ;      |               | 1            | 73              |               | 4            |                   |              | Ŀ        |          |              |                    | 1           |                |           | *        | 123        | *        | _  | 5-5<br>24-2 | y.   | 3.7            | #.   | -                  | -  | <u>ان</u><br>الله | $\dashv$ |
| 1         |               | 21                 | 100   | 27 15        |          |          | 31       | Ç.       | -                 | 1.           | ::       |          |               | Ŀ            | 3               | Ļij           | Н            | -                 |              |          |          | 1,           |                    |             |                | ) .       | -        | 124        | -        | <u>" ·                                    </u> | \$3°        |  |                |  | Н                  | († )<br>1883                                 | Н                 | H        |
| .         |               | NIMA               | -     | 7 Va<br>7 32 | (35°     |          | 37       | 1        | -                 |              | -        |          |               | 1            | 75              | H             | 1            | -                 | •            | 7.       | <u> </u> |              |                    |             | 5)             | 0         | 1        | 125<br>128 | $\dashv$ | -  | -           | -  | 7              | -  | -                  |  | 3.                |          |
|           | -             | 35                 | 7.7   | •            |          | -        | -        | - 1      | -                 | <del> </del> | 14       | H        | ; ·           | +            | 76<br>77        | H             | W            | -                 |              | -        | -        |              | -                  | ,           |                | 100       | 1        | 127        | -:       | -  | -           |  |                | М  |                    |  |                   |          |
| :1        |               | 3,3                | 3 12  | 3,3,         | 7        |          |          | ÷        | -                 | ÷            | -        | -        | ,             | H            | 78              | ₹             | 7            |                   |              | -        |          |              | 7.                 | :           | 7.             |           | -        | 128        | $\neg$   |  |             |  | ,              |  | 10.0               |  | 5                 |          |
|           |               | 26                 | 12    | 7.           |          |          |          |          | -                 | H            | $\vdash$ |          |               |              | 79              | li            | Ī            | -                 | 1            | _        |          | -            | H                  |             | -              | 1         | 1        | 129        |          |  | τ.          | Н  |                | - 4  | $\Box$             | П  |                   | ٠,       |
| П         |               | 30                 | 14    |              | ļ        |          |          | -        |                   | Ι.           | $\vdash$ |          |               | -            | 80              | 17            | ĭ            | ┢                 | Н            |          |          |              | H                  | Ι-          |                | ٠.        |          | 130        |          |  | 7           |  | •              |  |                    |  |                   |          |
| ា         | (1)           | (31)               | Τ.    | T            |          |          |          |          | Г                 | $\vdash$     |          |          |               |              | 81              |               | IT           | T                 |              |          |          |              | Г                  | Т           | Г              | ١٠.       | Г        | 131        |          |  |             | •  |                |  |                    |  |                   | $\Box$   |
| 1         |               | <b>Q</b> 2         | T     | П            | 4.5      | .: 7     | •        |          |                   | Г            |          | Г        | ٠.            | Г            | 82              | $\  \cdot \ $ | П            |                   | Г            |          |          |              |                    |             |                | ٠, .      |          | 132        |          | .:   | ,           | ,  |                |  | L                  |  | Щ                 |          |
| ٠ſ        | , 't          | 33                 | 1     |              | 1.       |          |          |          |                   |              |          |          | l             |              | 83              | 11            | Π,           |                   |              |          |          |              |                    |             |                | ľ         |          | 133        |          |  |             | Ш  | ·              | Ш  |                    | Ш  | Щ                 | Щ        |
|           |               | <b>2</b>           | L     | $\prod$      |          |          |          |          |                   |              |          |          | 1             |              | 84              | V             | Ŋ            |                   |              |          |          | L            |                    | L           | L              | `         | L        | 134        |          | _  |             |  |                | Ш  |                    | Ш  | Щ                 | Н        |
| į         | $\subseteq$   | 馬                  | Ц     | L            | _        | Ŀ        | _        | L        |                   | L            | 乚        | _        | l             | Ŀ            | (85             | JE .          | I≥           | ┖                 |              | L        |          | _            |                    | L           | <u> </u>       |           | Ŀ        | 135        |          | _  | _           | Ĺ  | _              |  |                    | H  | Н                 | Н        |
| γ.        |               | <b>99</b>          | 4     | Щ.           | L_       | L        | L.       |          | <u> </u>          | <u>_</u>     | Ŀ        |          |               | <u>_</u>     | (9              | 11            | 11           | ┞-                | ┖            | _        |          |              | <u> </u>           | <u> </u>    | <u> </u>       | l         | <b> </b> | 136        | $\dashv$ |  |             | -  | H              | Н  | -                  | Н  | Н                 | Н        |
| 3         |               | S)                 | 4     | Н.           | <u> </u> | _        | L        | <u> </u> | _                 | <u> </u>     | ┡        | _        |               | L            | er/             | Ц             | Н            | <u> </u>          | <u> </u>     | <u> </u> | _        | ┝            | _                  | ⊢           | -              |           | H        | 137<br>138 | $\vdash$ |  | -           | H  | -              | Н  | H                  | H  | H                 | М        |
| ी         |               | 3                  | 4     | ŋ            | _        | <u> </u> | ┡        | <b>!</b> | 1                 | ļ.,          | ⊢        | Ŀ        |               | ⊢            |                 | ¥             | 1            | ┝                 | -            | ├        | _        | <del> </del> |                    | ├-          |                | l         | $\vdash$ | 139        | $\vdash$ |  | _           | $\vdash$                                     | ┝━             | Н  | _                  | М  | М                 | М        |
| 4         | -             | 3)(                | -     | ⊨            | <u> </u> | <u> </u> |          | <u> </u> | -                 | _            | ├        | <u> </u> |               | <del> </del> | <b>100</b>      | 5             | 卢            | ┾                 | ├-           | H        |          | <del> </del> | -                  | ╁           | ┝              |           | $\vdash$ | 140        | $\vdash$ | -  | -           | H  | ┢              | H  | М                  |  | П                 | П        |
|           | _             | (D)                |       | -            | <u> </u> | <u> </u> | 1_       | <u> </u> | <u> </u>          | -            |          | <u> </u> | İ             | $\vdash$     | 90              | ⊢             | ⊢            | ▙                 | <del> </del> | ┡        | ├—       | ├            | -                  | ⊦           | -              | 1         | $\vdash$ | 141        | $\vdash$ | -  | -           | ┢  | ┢              |  | М                  |  |                   |          |
| 1         |               |                    |       | Ŀ            | <u> </u> | -        | -        | -        | <u> </u>          | -            | $\vdash$ | $\vdash$ |               | $\vdash$     | 91<br>92        | _             | <b>!</b>     | -                 | -            | -        | $\vdash$ | -            | -                  | $\vdash$    | -              | ł         | -        | 142        |          | -  | -           |  | $\vdash$       | М  | Г                  | М  | П                 | П        |
| ٠,        | _             | *                  | -     | -            | -        | -        | -        | -        | -                 | -            | -        | $\vdash$ | 1             | $\vdash$     | 93              | ⊢             | 1            | $\vdash$          | <del> </del> | $\vdash$ | $\vdash$ | -            | $\vdash$           | $\vdash$    | -              | ł         | -        | 143        | $\vdash$ |  | -           | Н  | Ι-             | Г  |                    |  |                   |          |
| ŀ         | $\dashv$      | 8 3 3 <del>4</del> |       | -            | -        | -        | -        | $\vdash$ | <del> </del>      | -            | -        | -        | 1             | $\vdash$     | 93              | $\vdash$      | ╁╌           | +                 | $\vdash$     | -        | $\vdash$ | $\vdash$     | $\vdash$           | +           | $\vdash$       | l         | $\vdash$ | 144        | $\vdash$ |  |             | Г  |                |  |                    |  |                   |          |
| ŀ         | $\dashv$      | 1                  |       | -            | ⊢        | ⊢        | $\vdash$ | ⊢        | $\vdash$          | ⊢            | $\vdash$ | $\vdash$ | 1             | $\vdash$     | 95              | $\vdash$      | ╁            | $\vdash$          | -            | -        | -        | -            | -                  | t           | -              | 1         | $\vdash$ | 145        | H        |  |             |  |                |  |                    |  |                   |          |
| 1         | -             | 46                 |       |              | $\vdash$ | $\vdash$ | -        | $\vdash$ | $\vdash$          | $\vdash$     | $\vdash$ | $\vdash$ | 1             | $\vdash$     | 96              | $\vdash$      | $\vdash$     | 1                 | _            | 1        |          | $\vdash$     | $\vdash$           | 1           | $\vdash$       | 1         | T        | 146        |          |  |             |  |                |  | L                  | L  | Ш                 | Ш        |
| Ť         | $\dashv$      | 46<br>47           | -     | <del> </del> | -        | $\vdash$ | t        | t        | ┢                 | t            | $\vdash$ | $\vdash$ |               | $\vdash$     | 97              | $\vdash$      | $\vdash$     | t                 | T            | T        | Г        | Γ            | Г                  | Γ           |                | 1         | Г        | 147        |          |  |             |  |                | L  | L                  | $ldsymbol{f eta}$                            | Н                 | ⊢        |
| ł         |               | 48                 |       | $\vdash$     | -        | <u> </u> | $\vdash$ | $\vdash$ | <u> </u>          | $t^{-}$      | $\vdash$ | $t^{-}$  |               | -            | 98              | Г             | T            | 1                 | T            | Г        | 1        | _            | Γ                  |             |                |           |          | 148        |          |  |             |  | _              | L  | <b> </b> -         | <b> </b>                                     | $\vdash$          | -        |
| ۱.        |               | 48<br>49           |       | Г            | Г        | Т        | T        | Т        | Π                 | T            | 1        | Τ        |               |              | 99              | Γ             |              |                   |              |          |          |              |                    |             |                | ]         |          | 149        |          | _  | <u> </u>    | L  | ⊢              | <del> </del>                                   | -                  | -  | Н                 | Н        |
| ť         |               | 50                 | -     |              |          |          | $\vdash$ | Π        | 1                 | Τ-           | 1        | $\vdash$ | 1             |              | 100             | 1             |              | T                 | Г            |          | Г        |              |                    |             |                |           |          | 150        |          |  | L_          |  | L              |  |                    |  | لـــا             | اــــا   |

If mor than 150 claims or 10 actions staple additional sheet here